#5

SEQUENCE LISTING

<110> Afar, Daniel
Hubert, Rene S.
Leong, Kahan
Raitano, Arthur B.
Saffran, Douglas C.
Mitchell, Steve Chappell

<120> PEPTIDES DERIVED FROM STEAP1 (AS AMENDED)

<130> 511582001601

<140> US 10/010,667
<141> 2001-12-06

<150> 09/323,873
<151> 1999-06-01

<150> 60/087,520
<151> 1998-06-01

<150> 60/091,183
<151> 1998-06-30

<160> 32

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<213> Homo Sapiens

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aaagacctgt gcttttgcat ttgcaccaaa cagcccatgc tgatgaattt gactgccctt 240
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tccaacttca taatggaacc aagtataaga agtttccaca ttggttggat aagtggatgt 540
taacaagaaa gcagtttggg cttctcagtt tctttttgc tgtactgcat gcaatttata 600
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<212> PRT
<213> Artificial Sequence

<220>
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20 25 30
Gly Glu Thr Ser Met Leu Lys Arg Pro Val Leu Leu His Leu His Gln
35 40 45
Thr Ala His Ala Asp Glu Phe Asp Cys Pro Ser Glu Leu Gln His Thr
50 55 60
Gln Glu Leu Phe Pro Gln Trp His Leu Pro Ile Lys Ile Ala Ala Ile
65 70 75 80
Ile Ala Ser Leu Thr Phe Leu Tyr Thr Leu Leu Arg Glu Val Ile His
85 90 95
Pro Leu Ala Thr Ser His Gln Gln Tyr Phe Tyr Lys Ile Pro Ile Leu
100 105 110
Val Ile Asn Lys Val Leu Pro Met Val Ser Ile Thr Leu Leu Ala Leu
115 120 125
Val Tyr Leu Pro Gly Val Ile Ala Ala Ile Val Gln Leu His Asn Gly
130 135 140
Thr Lys Tyr Lys Lys Phe Pro His Trp Leu Asp Lys Trp Met Leu Thr
145 150 155 160
Arg Lys Gln Phe Gly Leu Leu Ser Phe Phe Phe Ala Val Leu His Ala
165 170 175
Ile Tyr Ser Leu Ser Tyr Pro Met Arg Arg Ser Tyr Arg Tyr Lys Leu
180 185 190
Leu Asn Trp Ala Tyr Gln Gln Val Gln Gln Asn Lys Glu Asp Ala Trp
195 200 205
Ile Glu His Asp Val Trp Arg Met Glu Ile Tyr Val Ser Leu Gly Ile
210 215 220
Val Gly Leu Ala Ile Leu Ala Leu Leu Ala Val Thr Ser Ile Pro Ser
225 230 235 240
Val Ser Asp Ser Leu Thr Trp Arg Glu Phe His Tyr Ile Gln Ser Lys
245 250 255
Leu Gly Ile Val Ser Leu Leu Leu Gly Thr Ile His Ala Leu Ile Phe
260 265 270
Ala Trp Asn Lys Trp Ile Asp Ile Lys Gln Phe Val Trp Tyr Thr Pro
275 280 285
Pro Thr Phe Met Ile Ala Val Phe Leu Pro Ile Val Val Leu Ile Phe
290 295 300
Lys Ser Ile Leu Phe Leu Pro Cys Leu Arg Lys Lys Ile Leu Lys Ile
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325 330 335
Ser Gln Leu

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<212> DNA
<213> Homo sapiens

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<210> 4
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<213> Artificial Sequence

<220>
<223> Primer

<400> 4
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<210> 5
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 5
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<210> 6
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accaagaaga actttggaaa atgaagccta ggagaaattt agaagaagac gattatttgc 180
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<211> 519
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<213> Homo sapiens

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accaagtata ggagatttcc accttggttg gaaacctggt tacagtgtag aaaacagctt 180
ggattactaa gttttttctt cgctatggtc catgttgcct acagcctctg cttaccgatg 240
agaaggtcag agagatattt gtttctcaac atggcttatc agcaggttca tgcaaatatt 300
gaaaactctt ggaatgagga agaagtttgg agaattgaaa tgtatatctc ctttggcata 360
atgagccttg gcttactttc cctcctggca gtcacttcta tcccttcagt gagcaatgct 420
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agtactttcc atgttttaat ttatggatgg aaacgagct 519

<210> 8

<211> 173
<212> PRT
<213> Homo sapiens

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Ala Ala Tyr Gln Leu Tyr Tyr Gly Thr Lys Tyr Arg Arg Phe Pro Pro
        35   40   45
Trp Leu Glu Thr Trp Leu Gln Cys Arg Lys Gln Leu Gly Leu Leu Ser
    50   55   60
Phe Phe Phe Ala Met Val His Val Ala Tyr Ser Leu Cys Leu Pro Met
65   70   75   80
Arg Arg Ser Glu Arg Tyr Leu Phe Leu Asn Met Ala Tyr Gln Gln Val
                85   90   95
His Ala Asn Ile Glu Asn Ser Trp Asn Glu Glu Glu Val Trp Arg Ile
            100   105   110
Glu Met Tyr Ile Ser Phe Gly Ile Met Ser Leu Gly Leu Leu Ser Leu
        115   120   125
Leu Ala Val Thr Ser Ile Pro Ser Val Ser Asn Ala Leu Asn Trp Arg
    130   135   140
Glu Phe Ser Phe Ile Gln Ser Thr Leu Gly Tyr Val Ala Leu Leu Ile
145   150   155   160
Ser Thr Phe His Val Leu Ile Tyr Gly Trp Lys Arg Ala
                165   170

<210> 9
<211> 322
<212> DNA
<213> Homo sapiens

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attactttgc tctccctagt ataccttgca ggtcttctgg cagctgctta tcaactttat 180
tacggcacca agtataggag atttccacct tggttggaaa cctggttaca gtgtagaaaa 240
cagcttggat tactaagttg tttcttcgct atggtccatg ttgcctacag cctctgctta 300
ccgatgagaa ggtcagagag at   322

<210> 10
<211> 183
<212> DNA
<213> Homo sapiens

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tacttcttta aaagcggctg cccattacat tcctcagctg tccttgcagt taggtgtaca 120
tgtgactgag tgttggccag tgagatgaag tctcctcaaa ggaaggcagc atgtgtcctt 180
ttt   183

<210> 11
<211> 448
<212> DNA
<213> Homo sapiens

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gtgatcaagt ttgtcctaat catgccatgt gtagacaaca cccttacaag gatccgccag 360
ggctgggaaa ggaactcaaa acactagaaa aagcattgaa tggaaaatca atatttaaaa 420
caaagttcaa tttagctgga aaaaaaaa 448

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gttctacctn cctcccacct tcacgntcac gctgctggtg ccctgcgttc gttcatcctg 360
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<210> 13
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<212> DNA
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<220>
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<220>
<223> RT-PCR primer AI139607.2

<400> 14
tgtccagtcc aaactgggtt attt 24

<210> 15
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<223> RT-PCR primer R80991.1

<400> 15
agggagttca gcttcgttca gtc 23

<210> 16
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<210> 17
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<400> 17
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<210> 18
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<220>
<223> RT-PCR primer 98P4B6.2

<400> 18
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<210> 19
<211> 22
<212> PRT
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<220>
<223> STEAP-1 peptide

<400> 19
Arg Glu Val Ile His Pro Leu Ala Thr Ser His Gln Gln Tyr Phe Tyr
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Lys Ile Pro Ile Leu Val
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<210> 20
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> STEAP-1 peptide

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Gln Gln Asn Lys Glu Asp Ala Trp Ile Glu His Asp Val Trp Arg Met
20 25 30
Glu Ile

<210> 21
<211> 15
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<220>
<223> STEAP-1 PEPTIDE

<400> 21
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1 5 10 15

<210> 22
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<212> DNA
<213> Artificial Sequence

<220>
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<400> 22
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<220>
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<400> 23
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<211> 42
<212> DNA
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<220>
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<210> 25

<211> 22
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<400> 25
ctaatacgac tcactatagg gc 22

<210> 26
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<220>
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<400> 28
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<210> 29
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<212> DNA
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<220>
<223> RT-PCR primer 1B

<400> 29
cagaacttca gcacacacag gaac 24

<210> 30
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<212> DNA

<213> Artificial Sequence

<220>
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<400> 30
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<210> 31
<211> 26
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<213> Artificial Sequence

<220>
<223> primer

<400> 31
agccacacgc agctcattgt agaagg 26

<210> 32
<211> 15
<212> PRT
<213> Homo sapiens

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1 5 10 15